LETTERS

EDITORIAL
An Alternative Funding Mechanism: R. Roy

ARTICLES

The Evolution of Cooperation: R. Axelrod and W. D. Hamilton

NEWS AND COMMENT
Dark Days for Social Research

Reagan to Keep OSTP and CEQ

Reagan Budget Would Reshape Science Policies

Federal Job Exam to Be Retired

Blue Shield as a Medical Cartel

New University Law Decreed in Chile

Briefing: Nobel Follies; Reagan Selects New OSHA Director;
Export of Hazardous Goods Raises Congressional Ire; Solving Louisville's Friday the 13th Explosion

RESEARCH NEWS
Electron Microscope Center Opens at Berkeley

Meeting Highlights: Caffeine's Stimulatory Effects Explained;
Cell Defect in Mental Retardation

Data Sought on Low Cholesterol and Cancer

BOOK REVIEWS
Adaptive Radiations in Prehistoric Panama, reviewed by F. W. Lange;
The Paleobiology of Plant Protists, F. J. R. Taylor; Climates
REPORTS

Oxygen Isotope Ratios in Trees Reflect Mean Annual Temperature and Humidity: R. L. Burk and M. Stuiver ........................................... 1417

Volcanic Origin of the Eruptive Plumes on Io: A. F. Cook et al. ............ 1419


Stable Lead Isotopes as a Tracer in Coastal Waters: V. J. Stukas and C. S. Wong ................................................................. 1424

Detection of a Milk Factor That Facilitates Folate Uptake by Intestinal Cells: N. Colman, N. Hettiarachchi, V. Herbert ............. 1427

Aspirin Prevention of Cholesterol Gallstone Formation in Prairie Dogs: S. P. Lee, M. C. Carey, J. T. LaMont ................................. 1429

Repair of the Ultraviolet-Irradiated Male Genome in Fertilized Mouse Eggs: B. Brandriff and R. A. Pedersen ............................ 1431

Molecular Basis of Bunyavirus Transmission by Mosquitoes: Role of the Middle-Sized RNA Segment: B. J. Beaty et al. .......... 1433

Non-Mendelian Inheritance of Mosquito Susceptibility to Infection with Brugia malayi and Brugia pahangi: M. Trpis, R. E. Duhrkopf, K. L. Parker ................................................................. 1435

Ultrasonic Sensitive Stain for Proteins in Polyacrylamide Gels Shows Regional Variation in Cerebrospinal Fluid Proteins: C. R. Merrill et al. .................................................................................. 1437

Fluorocarbons Reduce Myocardial Ischemic Damage After Coronary Occlusion: D. H. Glogar et al. ........................................... 1439

F-Cell Production in Sickle Cell Anemia: Regulation by Genes Linked to β-Hemoglobin Locus: G. J. Dover, S. H. Boyer, M. E. Pembrey ........ 1441

Potent Contact Allergen in the Rubber Plant Guayule (Parthenium argentatum): E. Rodriguez, G. W. Reynolds, J. A. Thompson ........ 1444


Pentobarbital: Dual Actions to Increase Brain Benzodiazepine Receptor Affinity: P. Skolnick et al. ...................................................... 1448

Noise Raises Blood Pressure Without Impairing Auditory Sensitivity: E. A. Peterson et al. .............................................................. 1450

An Endocrine Approach to the Control of Epidermal Growth: Serum-Free Cultivation of Human Keratinocytes: T. Maciag et al. .................... 1452

Estrogen Receptors in the Nidatory Sites of the Rat Endometrium: D. Martel and A. Psychosyos ..................................................... 1454

PRODUCTS AND MATERIALS

Gas Chromatograph; Freezer; Chemical Analyzer; Affinity Purified Antibodies; Aliquot Mixer; Microbial Monitor; Centrifuges; Literature ........ 1456

COVER

Cross-sectional positron computed tomography images of glucose metabolism in the brain of a normal human subject with eyes open (images, left) and eyes closed (images, right). Lighter colors correspond to higher metabolic rates. Note higher metabolic rate in the portion of the brain associated with vision (arrows) when the eyes are open as compared to when the eyes are closed. See page 1445. [M. E. Phelps et al., University of California School of Medicine, Los Angeles]
Editor's Summary

This copy is for your personal, non-commercial use only.

**Article Tools**  Visit the online version of this article to access the personalization and article tools:
http://science.sciencemag.org/content/211/4489.citation

**Permissions**  Obtain information about reproducing this article:
http://www.sciencemag.org/about/permissions.dtl